UPnP ARCHITECTURE FOR HETEROGENEOUS NETWORKS OF SLAVE DEVICES

ABSTRACT OF THE DISCLOSURE

A non-IP (Internet Protocol) network is provided with UPnP (Universal Plug and Play) proxy enabling and interfacing logic. The UPnP enabling logic provides the modules required to effect the UPnP addressing, discovery, and description processes for each of the devices on one or more non-IP networks. Each of the non-IP networks may use the same or different network technologies, such as USB, Bluetooth, IEEE 1394, Home API, HomeRF, Firefly, X-10, and so on. During the UPnP control and event phases, the system provides the appropriate control transformation and event proxy processes to communicate commands to each non-UPnP-compatible device in the network, corresponding to the UPnP control commands received from a UPnP control object, and to communicate event status messages to and from the non-UPnP-compatible devices and the UPnP control object.